

A system and method for selective thermal treatment of skin irregularities. The system comprises one or more RF electrodes that are adapted to apply RF energy to the skin. An RF pulse generator generates voltage pulses in the RF range at the electrodes, where the voltage pulses have a duration of 2-500ms. The method comprises applying RF electrodes to the skin and generating voltage pulses at the electrodes in the RF range, where the pulses have a duration in the range of 2-500ms.